QIXIANG ZHANG

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OBJECTIVE

• I'm seeking a **PHD degree** in the area of computer vision, specifically in Deep Learning Based Image Processing methods and Medical Image Processing. For a long-term goal, I aim to pursue a post-doctoral position and become involved in innovative work in academia after graduation.

EDUCATION

Sichuan University, Chengdu, China

Major in Mechanical Engineering, Sep 2018 - Jun 2019

Major (B.E.) in Software Engineering, Sep 2019 - Jun 2023

• **GPA: 3.91/4.0**

National University of Singapore, Singapore
NUS SOC 2021 Summer Workshop (online), July 2021 - Aug 2021

• Performance (A+) in the Topic SWS3009 Embedded System and Deep Learning
• **First Prize** in the Topic SWS3009 Embedded System and Deep Learning

RESEARCH INTERESTS

• Computer Vision, Deep Learning and Machine Learning

SKILLS

• **Programming Languages:** C, C++, Python, Java
• **Tools:** PyTorch, TensorFlow, Spring, SpringMVC, MyBatis, Springboot, Django
• **Languages:** English (IELTS 8.0)

RESEARCH EXPERIENCE

Research Member │ Medical Imaging Research Group (Supervised by Yan Wang), SCU │ Jun 2021- now

• **Judge Like a Real Doctor: Dual Teacher Sample Consistency Framework for Semi Supervised Medical Image Classification**

- **First Author**, The paper has been submitted to *IEEE Transactions on Medical Imaging*

• **Multi-level Progressive Transfer Learning for Cervical Cancer Dose Prediction**

- Co-Author, The paper has been submitted to *IEEE Transactions on Medical Imaging*

• **Facial Expression Recognition with Supervised Contrastive Learning and Uncertainty Estimation**

- Co-Author, The paper has been submitted to *International Journal of Intelligent Systems*

• **DeepVuler: A Vulnerability Intelligence Mining System for Open-Source Communities**

- Co-Author, Published in *2021 IEEE 20th International Conference on Trust, Security and Privacy in Computing and Communications*

- Principal Researcher, *National Level of College Students' Innovative Entrepreneurial Training Plan Program*

• **Deep Learning Based Dental Caries Auto-diagnosis Technology**

- Project Leader, *Provincial Level of College Students' Innovative Entrepreneurial Training Plan Program*

AWARDS&SCHOLARSHIPS

Comprehensive First-class Zili-Zhidong Scholarship of Sichuan University │ Dec 2021

Comprehensive First-Class Scholarship of Sichuan University │ Oct 2021 & Oct 2020

Outstanding Student of Sichuan University │ Oct 2020 & Oct 2019

EXTRA-CURRICULAR ACTIVITIES

Director │Sichuan University Sports Association│ 2020

- In charge of organizing sports competitions and database maintenance

- Won first place in backstroke and third place in freestyle in SCU Sports Competition

Volunteer │Sichuan University Faculty Sports Meeting │Oct 2020 & Oct 2019

- Served as the referee, and awarded as the Outstanding Volunteer Certificate of Honor

Student Union Officer │ School of Mechanical Engineering, Sichuan University │ 2018 - 2019

- Responsible for organizing meetings and relevant files